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## In the claims:

- 1. A method for treating hardly-decomposable-substance-containing (Original) water, which comprises the steps of
- (B) adding an adsorbent to water containing a hardly decomposable substance (treatment raw water) to cause the hardly decomposable substance to be adsorbed on said adsorbent (adsorption treatment step),
- (C) separating a permeated liquid through a filter membrane to concentrate the adsorbent adsorbing said hardly decomposable substance (membrane filtering treatment step), and
- (D) chemically decomposing the hardly decomposable substance adsorbed on said concentrated adsorbent with a peroxide without any operation of desorption from said adsorbent (chemical decomposition step).
- 2. (Original) The method for treating hardly-decomposable-substancecontaining water as recited claim 1, wherein the step (D) uses said peroxide in an amount of at least 100 times larger in molar relative to that of said hardly decomposable substance.
- 3. (Currently Amended) The method for treating hardly-decomposable-substancecontaining water as recited in claim 1 or 2, which further comprises the step of
- (A) separating a permeated liquid from the water containing the hardly decomposable substance through a reverse osmosis membrane (RO membrane) or a nano-filter membrane (NF membrane), to concentrate the hardly decomposable substance (membrane concentrating treatment step).
- 4. (Original) The method for treating hardly-decomposable-substancecontaining water as recited in claim 1, which further comprises the step of
- (E) neutralizing chlorine in the water containing the hardly decomposable substance (chlorine neutralization step).

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5. (Original) The method for treating hardly-decomposable-substance-containing water as recited in claim 1, which further comprises the step of

- (F) carrying out irradiation with ultraviolet light to decompose the hardly decomposable substance (photodegradation step).
- 6. (Original) The method for treating hardly-decomposable-substance-containing water as recited in claim 1, which comprises the step of
- (G) backwashing the filter membrane used in said step (C), to free the adsorbent adsorbing the hardly decomposable substance from said filter membrane (backwash step).
- 7. (Original) The method for treating hardly-decomposable-substance-containing water as recited in claim 1, which further comprises the step of
- (H) adding a flocculating agent to water containing the adsorbent adsorbing the hardly decomposable substance, to flocculate and separate the adsorbent adsorbing the hardly decomposable substance (flocculation separation step).
- 8. (Original) The method for treating hardly-decomposable-substance-containing water as recited in claim 1, wherein the adsorbent to be added in said step (B) is one inorganic adsorbent, or two or more inorganic adsorbents, which is or are selected from the group consisting of titanium dioxide, zeolite, acid clay, activated clay, diatomite, metal oxide, metal powder, activated carbon and carbon black.
- 9. (Original) The method for treating hardly-decomposable-substance-containing water as recited in claim 8, wherein the adsorbent to be added in said step (B) is titanium dioxide.
- 10. (Original) The method for treating hardly-decomposable-substance-containing water as recited in claim 1, wherein the filter membrane for use in said step (C) is selected from the group consisting of an ultrafilter membrane (UF membrane), a nano-filter

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membrane (NF membrane), a microfiltration membrane (MF membrane) and a reverse osmosis membrane (RO membrane).

- 11. (Original) The method for treating hardly-decomposable-substance-containing water as recited in claim 1, wherein the peroxide for use in said step (D) is a persulfate.
- 12. (Original) A method for treating hardly-decomposable-substance-containing water as recited in claim 1, wherein at least part of the hardly decomposable substance concentrated in said step (A) and/or the adsorbent adsorbing the hardly decomposable substance concentrated in said step (C) is returned to the water containing the hardly decomposable substance (treatment raw water) or a step upstream of the step (A) or the step (C).
- 13. (Original) An apparatus for treating hardly-decomposable-substance-containing water, which comprises

an adsorbent adding section for adding an adsorbent to water containing a hardly decomposable substance (treatment raw water),

a membrane filtering treatment section for separating a permeated liquid through a filter membrane to concentrate the adsorbent adsorbing said hardly decomposable substance, and

a chemical decomposition treatment section for oxidation-decomposing said hardly decomposable substance adsorbed on said adsorbent with a peroxide.

14. (Original) An apparatus for treating hardly-decomposable-substance-containing water, comprising

a reducing substance introduction section for introducing a reducing substance to water containing a hardly decomposable substance (treatment raw water) to neutralize chlorine in said water,

a membrane concentrating treatment section for separating a permeated liquid from the water containing a hardly decomposable substance through a reverse osmosis

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membrane (RO membrane) or a nano-filter membrane (NF membrane) to concentrate the hardly decomposable substance,

an adsorbent adding section for adding an adsorbent to said hardly decomposable substance concentrated, to cause the adsorbent to adsorb the hardly decomposable substance,

a membrane filtering treatment section for separating a permeated liquid through a filter membrane to concentrate the adsorbent adsorbing said hardly decomposable substance,

a flocculating agent adding section for adding a flocculating agent to water containing the adsorbent adsorbing said concentrated hardly decomposable substance, to flocculate the adsorbent adsorbing said hardly decomposable substance,

a solid-liquid separating section for separating the adsorbent adsorbing the hardly decomposable substance and being flocculated by said flocculating agent, and

a chemical decomposition treatment section for oxidation-decomposing the hardly decomposable substance adsorbed on said adsorbent separated, with a peroxide.

- 15. (Original) A method for concentrating a hardly decomposable substance in hardly-decomposable-substance-containing water, which comprises the steps of
- (B) adding an adsorbent to water containing a hardly decomposable substance (treatment raw water) to cause the hardly decomposable substance to be adsorbed on said adsorbent (adsorption treatment step), and
- (C) separating a permeated liquid through a filter membrane to concentrate the adsorbent adsorbing said hardly decomposable substance (membrane filtering treatment step).
- 16. (Original) The method for concentrating a hardly decomposable substance in hardly-decomposable-substance-containing water as recited in claim 15, which further comprises the step of
- (A) separating a permeated liquid from the water containing a hardly decomposable substance through a reverse osmosis membrane (RO membrane) or a nano-filter membrane (NF membrane), to concentrate the hardly decomposable substance (membrane concentrating treatment step).

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17. (Original) The method for concentrating a hardly decomposable substance in hardly-decomposable-substance-containing water as recited in claim 16, wherein at least part of the hardly decomposable substance concentrated in said step (A) is returned to said water containing a hardly decomposable substance (treatment raw water).

18. (Currently Amended) A method for treating water containing a hardly decomposable substance, which comprises irradiating a hardly decomposable substance concentrated by the method for concentrating a hardly decomposable substance in hardly-decomposable-substance-containing water as recited in any one of claim 15 to 17 claim 15, with light to decompose the hardly decomposable substance.